ATTY DETNO. UCF-211 CP7 (Continuation-in-Part of App. Septel No. 09/648,293 filed 08/24/00)

## US DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

APPLICANT: EFIMOV, ET AL.

FOR HIGH FERICI

HIGH EFFICIENCY BRAGG GRATINGS IN PHOTO-THERMO-REFRACTIVE GLASS

### LIST OF ART CITED BY APPLICANT

Page 1 of 2

#### **U.S. PATENT DOCUMENTS**

EXAMINER	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
Wan	AA 3,640,604	02/08/72	YARNELL	350	162 SF	
ww	AB 3,675,990	07/1/172	KOGELNIK, ET A	L. 350	311	
War	AC 4,057,408	บอุธิเรา	PIERSON, ET AL.	065	018	
u	AD 4,514,053	04/36/85	. BORRELLI, ET AL	350	162.2	
Win	AE 4,567,104	01 <i>/3/</i> 8/86	wu	428	410	
War	AF 4,670,366	01/92/87	wu	430	13	
wan	AG 4,894,303	01/16/90	WU	430	. 13	
ww	AH 4,946,253	08/9/1/90	KOSTUCK	350	169	
Wai	AI 4,965,152	10 <i>12/</i> 3/90	KEYS, ET AL.	430	01	
m an	AJ 5,078,771	01/9/1/92	wu	65	30.11	
M m	AK 5,196,282	03/7/3/93	KNOBBE	430	02	
u an	- AL 5,285,517	02/98/94	wu	385	142	
le a-	AM 5,486,934	01 <i>12\$</i> /96	HUANG	359	15	
m u	AN 5,684,611	11/94/97	RAKULJIC, ET AL	359	7	
	•					

FOREIGN	PATENT	DOCUMENTS
---------	--------	-----------

NONE

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

Way OAI

Optical Holography Principles, techniques and applications, second edition, P. Hariharan, Cambridge University Press. Pf 75-77 (1996)

W W OAZ

Full-Color Photosensitive Glass, S. Donald Stookey, George H. Beall and Joseph E. Pierson, Journal of Applied Physics, Vol. 49, No. 10, October 1978, pp. 5114 – 5123.

M WO OAS

Photolytic Technique for Producing Microlenses in Photosensitive Glass, Borelli, Morse, Bellman and Morgan, Applied Optics, Vol. 24, No. 16, August 15, 1985, pp. 2520 – 2525.

M Me OAA

Photoihermal Refractive Effect in Silicate Glasses, Borgman, Glebov, Nikonorov, Petrovskii, Savvin and Tsvetkov, Sov. Phys. Dokl, Vol. 34, No. 11, November 1989, pp. 1011 - 1013

PTO-1449 PG 1 OF 2

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9/20/01 08/17/06

ATTY DK. NJ. ULF-211 C.A (Continuations in Pert of Appropriation 09/648,293 filed 02/24/00)

10/665339

# US DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

APPLICANT: EFIMOV, ET A

FOR: HIGH EF

HIGH EFFICIENCY BRAGG GRATINGS IN PHOTO-THERMO-REFRACTIVE GLASS

#### LIST OF ART CITED BY APPLICANT

Page 2 of 2

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

OA5

Polychromic glasses - A New Material for Recording Volume Phase Holograms, Glebov, Nikonorov, Panysheva, Petrovskii, Savvin, Tunimanova and Tsekhomskiir, Sov. Phys. Dokl, Vol. 35, No. 10,

October 1990, pp. 878 - 880.

OA6 New Ways to Use Photosensitive Glasses for Recording Volume Phase Holograms, Glebov, Nikonotov,

Panysheva, Petrovskii, Savvin, Tunimanova, and Tsekhomskii, Opt. Spectrosc., Vol. 73, No. 2, August

1992, pp. 237 - 241.

MOA7 Photo-Induced Processes in Photo-Thermo-Refractive Glasses, Glebov, Glebova, Richardson and

Smirnov, XVIIIInternational Congress on Glass, San Francisco, CA, July 5 - 10, 1998.

OA8 High-Efficiency Bragg Gratings in Photothermorefractive Glass, Esimov, Glebov, Glebova, Richardson

and Smirnov, Applied Optics, Vol. 38, No. 4, February 1999, pp. 619 - 627.

Photo-Thermo-Refractive Glasses for High-Efficiency Bragg Gratings in UV, Visible, and IR Regions,

Efimov, Francois-Saint-Cyr, Glebov, Glebova, Richardson and Smirnov.

Confirme on largers & Electroopties, 2000

9/3/1

14

## Notic of Referenc s Cited

Application/Control No. 99/750,708 / // 5339

Applicant(s)/Patent Under R examination
EFIMOVETAL.

Examiner

Martin J Angebranndt

Art Unit 1756

Page 1 of 1

#### U.S. PATENT DOCUMENTS

	*		Document Number Country Code-Number-Kind Code	Dat MM-YYYY	Nam	Classification
		4	US-4541694	09-1985	Sullivan et al.	350/371
$\Box$	_	В	US-5098803	03-1992	Monroe et al.	430/1
_		e-	<del>- US-533</del> 9305	08-1994	Curtis et al.	369/112
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		J	US		0,00	
		K	US-		<b>W</b>	
		L	US			
		М	US-			

#### FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N	03-081718	04-1991	Japan	Morinaka et al.	
	0					
	P					
	Q					
	R					
	S					
	T					

#### NON-PATENT DOCUMENTS

	*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
-		υ	IBM Tech. Discl. Buil., Vol 31(3) pp. 18-21 (08/1988)
-		v .	EtimeV, et al. "Laser-Induced Damage of Photo-Thermo-Refractive Glasses for Optical-Holographic-Element Writing", Proc. SPIE Vol. 3578, pp. 564-575 (1999)
		w	
		x	

\*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or fereign.

U.S. Patent and Trademark Office PTO-892 (Rev. 01-2001)

Notice of R ferences Cited

2/17/06

Part of Paper No. 3

**SUBCLASS** 

#### US DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

APPLICANT: LEONID B. GLEBOV

FOR:

SENSITIZATION OF PHOTO-THERMAL-REFRACTIVE GLASS TO VISIBLE RADIATION BY

DATE

CLASS

TWO-STEP ILLUMINATION

EXAMINER DOCUMENT NO.

#### LIST OF ART CITED BY APPLICANT

#### **U.S. PATENT DOCUMENTS**

NAME

					<u>-</u>
WAA	4,541,694	Sullivan, et al.	09/17/1985	350	371
√ AB	5,098,803	Monroe, et al.	03/24/1992	430	1
AC AC	5,339,305	Curtis, et al.	08/16/1994	369	112
		PATEI	NT APPLICATION P	UBLICATIO	SMC
NON	E				
		<u> </u>	FOREIGN AF	ıT	
/ FA	JP03-081718	Morinaka, et al.	04/08/1991		
W OB	—— <del>(1996) P. Hariha</del>	ech. Discl. Bull., Vol 31(3), an. Optical Holography. Pr 4. Cambridge University Pr	inciples, techniques, a	nd application	ons. Chapter 7: "Practical recording
W OD		senko, L.B. Glebov, V.A. Ts		d Chemistry	of Photochromic Glasses. CRC Pres
OE OE	(1999) Efimov, (	, ,	,	efrective Gla	asses for Optical-Holographic-
OF	(1999) O.M. Efin	nou I R Glebou S Granth	am. M. Richardson. 1	hotoionizati	on of silicate glasses exposed to IR
レ OF	, ,	ies. Journal of Non-Crystall	•	•	
w of	femtosecond puls (2002) O.M. Efin	ses. Journal of Non-Crystall	line Solids, 253. 58-67 re. Measurement of the	ne induced re	fractive index in a potothermorefracti